



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

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भाराराप्रा/ नीति दिशानिर्देश/ मानक दस्तावेज /2026

नीति परिपत्र सं. 11.102/ 2026 दिनांक 07th अगस्त, 2026

{(ई-ऑफिस फाइल सं. DPR-17077(771)/3/2025-IT Division (कम्प्यूटर सं. 295276 पर लिया गया निर्णय)}

NHAI/ Policy Guidelines/ Standard Documents/2026

Policy Circular No. 11.102/ 2026 dated 07th August, 2026

{(Decision taken on E-Office File No. DPR-17077(771)/3/2025-IT Division (Comp No. 295276)}

विषय: सड़क परिवहन और राजमार्ग मंत्रालय के दिनांक 24.10.2024 के परिपत्र का अनुपालन एवं कार्यान्वयन - लंबी सुरंग परियोजनाओं (लंबाई > 1.5 किमी) के प्रस्ताव प्रस्तुत करने हेतु चेकलिस्ट के संबंध में।

Sub: Endorsement and Implementation of MoRT&H Circular dated 24.10.2024 - Checklist for submission of Proposals for Long Tunnel Projects (Length > 1.5 Km). reg:-

संदर्भ: सड़क परिवहन और राजमार्ग मंत्रालय का परिपत्र सं. एनएच- 12037/ 8/ 2024/ सुरंग/ विविध/ उत्तरी-1 दिनांक 24.10.2024

Ref: MoRT&H Circular no. NH-12037/8/2024/Tunnel/Misc/North-1 dated 24.10.2024.

सड़क परिवहन और राजमार्ग मंत्रालय ने 24.10.2024 को जारी परिपत्र "लंबी सुरंग परियोजनाओं के प्रस्तावों के प्रस्तुतीकरण के लिए चेकलिस्ट" के माध्यम से राष्ट्रीय राजमार्गों पर लंबी सुरंग परियोजनाओं (लंबाई > 1.5 किमी) के प्रस्तावों को तकनीकी समीक्षा एवं सलाहकार विशेषज्ञ पैनल की सलाह के लिए प्रस्तुत करने हेतु एक व्यापक चेकलिस्ट संलग्न की है। मंत्रालय ने यह अनिवार्य किया है कि सभी प्रस्तावों में चेकलिस्ट में सूचीबद्ध सभी आवश्यक रिपोर्ट और डेटा (जिसमें डेस्क स्टडी, संरेखण रिपोर्ट, भू-तकनीकी जांच और सुरंग डिजाइन शामिल हैं) शामिल हों, और चेकलिस्ट पर भाराराप्रा में मुख्य महाप्रबंधक द्वारा हस्ताक्षर किए जाएँ।

The Ministry of Road Transport & Highways, vide Circular dated 24.10.2024 regarding "Checklist for submission of Proposals for Long Tunnel Projects", has enclosed a comprehensive checklist for submitting Long Tunnel Project Proposals (length > 1.5 km) on National Highways for technical review and advisory expert panel input. The Ministry has mandated that all Proposals shall include all requisite Reports and data listed in the checklist (including Desk Study, Alignment Report, Geotechnical Investigations and Tunnel Design) and the checklist shall be signed by the Chief General Manager (CGM) in NHAI.

2. तदनुसार, सड़क परिवहन और राजमार्ग मंत्रालय के उपर्युक्त परिपत्र की एक प्रति (चेकलिस्ट सहित) सूचना, मार्गदर्शन तथा सख्ती से अनुपालन हेतु सभी संबंधित को प्रेषित की जाती है।

Accordingly, a copy of the aforesaid MoRT&H Circular (along with the Checklist) is enclosed herewith for information, guidance and strict compliance by all concerned.

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3. यह सक्षम प्राधिकारी के अनुमोदन से जारी किया जाता है।
This issues with the approval of Competent Authority.

संलग्नक: यथोपरी।

Encl.: As stated above.


07/08/2026

(सीएस. संजय कुमार पटेल/ CS. Sanjay Kumar Patel)
प्रभारी मुख्य महाप्रबंधक(समन्वय) (i/c) Chief General Manager (Coord.)

प्रति/ To:

भाराराप्रा मुख्यालय/आरओ/पीआईयू/सीएमयू/साइट कार्यालयों के सभी अधिकारी।
All Officers of NHAI HQ/ ROs/ PIUs/ CMUs/ Site Offices.

प्रतिलिपि/ Copy to:

1. पुस्तकालय की साइट पर प्रकाशन के लिए पुस्तकालय को।
Library for hosting the Circular on Library site.
2. परिचालन के लिए वेब एडमिन को।
Web Admin for Circulation.
3. सचिव, सड़क परिवहन और राजमार्ग मंत्रालय के प्रधान निजी सचिव को सूचनार्थ।
PPS to Secretary, MoRT&H for Kind Information.

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NH-12037/8/2024/Tunnel/Misc/North-I
Government of India
Ministry of Road Transport & Highways
(Tunnel Zone)

No.1, Parliament Street, Transport Bhawan, New Delhi-110001

Dated: 24th October, 2024

To:

1. The Chief Secretaries of all the State Governments/UTs
2. The Principal Secretaries/ Secretaries of all States/ UTs Public Works Department/ Road Construction Department/ Highways Department (dealing with National Highways and other centrally sponsored schemes)
3. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi- 110 010.
4. The Chairman, National Highways Authority of India, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075.
5. The Managing Director, National Highway infrastructure Development Corporation Ltd., 2nd Floor, Tower A, World Trade Centre, Nauroji Nagar, New Delhi - 110029
6. All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs/Road Construction Department/ Highways Departments (dealing with National Highways and other Centrally Sponsored Schemes.
7. The Secretary General, Indian Roads Congress
8. The Director, IAHE, Noida, UP

Subject: Checklist for submission of proposals for long tunnel projects - reg.

Sir,

Please refer to this Ministry's circular No. NH-12037/8/2024/Tunnel/Misc/North-I dated 06.09.2024 regarding submission of proposals for long tunnel projects (length > 1.5 km) on NHs to Ministry for technical review and obtaining expert advice from advisory panel.

2. In this regard, a checklist for submission of proposals to Ministry is enclosed as Annexure for necessary compliance.
3. The proposal must include all requisite reports and data as listed in the checklist. The checklist will be signed by the Chief Engineer in PWD/ Chief Engineer in BRO/ Chief General Manager in NHAI/Director (Technical) in NHIDCL as applicable.
4. This issues with the approval of Competent Authority.

[Signature]

[Signature]

Yours Sincerely,

Encl: As above

Bharat
24/10/24
(Bharat Kumar Sharma)

Assistant Executive Engineer

For Director General (Road Development) & Special Secretary

E-mail: tunnelzonemorth@gmail.com

Copy To:

1. All CEs in the Ministry of Road Transport & Highways
2. All ROs of the Ministry of Road Transport & Highways
- ✓ 3. NIC-for uploading on Ministry's website under "What's new" & e-Mice

Copy for information to:

1. PS to Hon'ble Minister (RT&H)
2. PS to Hon'ble MOS (RT&H)
3. PSO to Secretary (RT&H)
4. PSO to DG (RD) & SS
5. Sr. PPS/PPS to ADGs/AS&FA/AS(NHIDCL Cell)
6. Sr. PPS to JS Highways

Bharat

ANNEXURE-I**CHECKLIST FOR SUBMISSION OF PROPOSALS OF TUNNEL PROJECTS FOR TECHNICAL REVIEW IN MORTH**

S.No.	Particulars (Details to be submitted with the proposal)	Yes/No	Remarks
1.	Desk Study		
	a. Study of earlier Investigations i.e. Topographical, Geological, Geophysical and Hydrological Investigations and Survey done in the Project area		
	b. Study of Geological maps (on a scale of 1: 5,000 / 1: 10,000) obtained from GSI/Satellite data		
2.	Alignment Report		
	a. Selection of Alignment based on Desk Study and Site Information		
	b. Alignment Options on High Resolution Satellite Imagery (HRSI) (with minimum 50cm Ground Sample Distance as per IRC SP 91:2019)		
	c. Detailed Topographic Survey Report and DEM/DTM generated represented in A3 size high resolution photographs (Scale 1:10000 with 5 m contour interval. However, at portal location the scale shall be 1:5000 with 2m contour interval, as per IRC SP 91:2019).		
	d. Alignment Approval Details		
3.	Traffic Studies		
	a. Traffic Survey Report as per IRC:108 and IRC:102		
4.	Geotechnical Investigation Factual Report (GFR)		
	a. Detailed Geological Mapping		
	b. Geomorphology		
	c. Geophysical Investigations		

15/11/21
10/11/21

	d. Development of Geological Reference Model (GRM)		
	e. Borehole Drilling and Geological core logging (for tunnels having length > 1500m, minimum 2 borehole at portal location, 1 borehole at ¼ length, 1 borehole at ½ length, and 1 borehole at ¾ length as per IRC SP: 91:2019)		
	f. Details of In-situ Testing of Soil/Rock samples		
	g. Details of Laboratory Testing of Soil/ Rock samples		
	h. Details of Hydrogeology in the project area		
5.	Geological Interpretative Report (GIR)		
	a. Rock Type and Rock Mass Characterization (using RMR, Q, GSI etc.)		
	b. Geotechnical Plan and Profile		
	c. Insitu stress state estimation		
	d. Recommendations for foreseen ground improvement techniques, if any		
	e. Expected Extraordinary Geological Occurrences like major shear zones etc. and mitigation techniques, if any		
6.	Tunnel Design Report		
	a. Design and Structural Analysis for Primary and Secondary Support System		
	b. Design and Structural Analysis for Portal Slopes and Support Measures		
	c. Seismic Analysis for Primary and Secondary Support System		
	d. Provision of Escape Tunnel		
7.	Construction Program and Methodology		
	a. Method of Excavation and Machinery		
	b. Cycle Time Calculations		
	c. Muck Disposal Strategy		
8.	E&M Works		
	a. Ventilation Design Report		
	b. Firefighting (Tunnel fire design, fire detection and fixed firefighting systems),		

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	Lighting, Communication Systems, Uninterrupted Power Supply and Signage		
9.	Instrumentation and Monitoring		
	a. Instruments and Monitoring Devices Proposed		
	b. Proposed Monitoring and Safety measures during Construction and Operation		
10.	Cost Estimate		
11.	Risk assessment Study of the project		
12.	Economic and Financial Analyses		
	Estimation of Economic Internal Rate of Return (EIRR), Financial Internal Rate of Return (FIRR) and Net Present Value (NPV)		
13.	Environmental Impact Assessment (EIA)		
14.	Status of Preconstruction Activities		
	a. Land Acquisition		
	b. Forest Clearance		
	c. Utility Shifting		
	d. Any Other Clearances required		

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